

3/12/04

## PATENT APPLICATION

Sheet 1 of 6

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	200316546-1		
	APPLICANT		
	Randy L. Hoffman, et al.		
	FILING DATE	GROUP	
	Herewith		

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
DEN	1A	5,744,864	08/28/1998	Cillessen, et al.	
	1B	2003/0047785	03/13/2003	Yamazaki	
	1C	2003/0111663	06/19/2003	Yagi	
	1D	2003/0218221	11/27/2003	Wager, III, et al.	
	1E	2003/0218222	11/27/2003	Wager, III, et al.	
	1F	60/490,239	07/25/2003		Transparent Thin Film Transistor with Zinc-Tin Oxide Channel...
	1G	10/763,353	01/25/2004		Semiconductor Device
DEN	1H	10/763,354	01/23/2004		Transistor including a Deposited Channel Region Having a...
	1I				
	1J				
	1K				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
DEN	1L	WO 97/006544	02/20/1997	Cillessen, et al.		E
DEN	1M	EP1134811	09/19/2001	Kawasaki, et al.		
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

DEN	1Q	Aoki, Akira, et al., "Tin Oxide Thin Film Transistors", Japan J. Appl. Phys., Vol. 9, p.582 (1970).
DEN	1R	Carcia, P.F., et al., "Transparent ZnO thin-film transistor fabricated by rf magnetron sputtering", Applied Physics Letters, Vol. 82, No. 7, pp. 1117-1119 (February 17, 2003).
DEN	1S	Carcia, P.F., et al., "ZnO Thin Film Transistors for Flexible Electronics", Mat. Res. Soc. Symp. Proc., Vol. 769, pp. H72.1-H72.6 (2003).

EXAMINER	DATE CONSIDERED
<i>Delia S. Leger</i>	10/27/06

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## PATENT APPLICATION

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FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200316546-1</b>	APPLICATION NO.	CONFIRMATION NO.
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	2L				
	2M				
	2N				
	2O				
	2P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	Fu, Shelton, et al., "MOS and MOSFET with Transistion Metal Oxides", SPIE Vol. 2697, pp. 520-527.
2R	Giesbers, J.B., et al., "Dry Etching of All-Oxide Transparent Thin Film Memory Transistors", Microeletronic Engineering, Vol. 35, pp. 71-74 (1997).
2S	Grosse-Holz, K.O., et al. "Semiconductive Behavior of Sb Doped SnO2 Thin Films", Mat. Res. Soc. Symp. Proc., Vol. 401, pp. 67-72 (1996).

EXAMINER <i>Deliuskyer</i>	DATE CONSIDERED <i>10/27/06</i>
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## PATENT APPLICATION

Sheet 3 of 6

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	3L				
	3M				
	3N				
	3O				
	3P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>RL</i>	3Q	Hoffman, R.L., et al., "ZnO-based transparent thin-film transistors", Applied Physics Letters, Vol. 82, No. 5, pp. 733-735 (February 3, 2003).
<i>RL</i>	3R	Masuda, Satoshi, et al., "Transparent thin film transistors using ZnO as an active channel layer and their electrical properties", Journal of Applied Physics, Vol. 93, No. 3, pp. 1624-1630 (February 1, 2003).
<i>RL</i>	3S	Nishi, Junya, et al., "High Mobility Thin Film Transistors with Transparent ZnO Channels", Jpn. J. Appl. Phys., Vol. 42, Part 2, No. 4A, pp. L347-L349 (April, 2003).

EXAMINER

*Richard L. Hoffman*

DATE CONSIDERED

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## PATENT APPLICATION

Sheet 4 of 6

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200316546-1</b>	APPLICATION NO.	CONFIRMATION NO.
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	4L				
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	4N				
	4O				
	4P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>den</i>	4Q	Ohya, Yutaka, et al., "Thin Film Transistor of ZnO Fabricated by Chemical Solution Deposition", Jpn. J. Appl. Phys., Vol. 40, Part 1, No. 1, pp. 297-298 (January, 2001).
<i>den</i>	4R	Pallecchi, Ilaria, et al. "SrTiO <sub>3</sub> -based metal-insulator-semiconductor heterostructures" Applied Physics Letters, Vol. 78, No. 15, pp. 2244-2246 (April 9, 2001).
<i>den</i>	4S	Prins, M. W. J., et al., "A ferroelectric transparent thin-film transistor", Appl. Phys. Lett., Vol. 68, No. 25, pp. 3650-3652 (June 17, 1996).

EXAMINER

*Michael Meyer*

DATE CONSIDERED

*10/27/06*

3/12/09

## PATENT APPLICATION

Sheet 5 of 6

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200316546-1</b>	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT <b>Randy L. Hoffman, et al.</b>		
	FILING DATE <b>Herewith</b>	GROUP	

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	5L				
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	5N				
	5O				
	5P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>den</i>	5Q	Seager, C.H., et al., "Charge Trapping and device behavior in ferroelectric memories", Appl. Phys. Lett., Vol. 68, No. 19, pp. 2660-2662 (May 6, 1996).
<i>den</i>	5R	Uneno, K., et al. "Field-effect transistor on SrTiO <sub>3</sub> with sputtered Al <sub>2</sub> O <sub>3</sub> gate insulator". Applied Physics Letters, Vol. 83, No. 9, pp. 1755-1757 (September 1, 2003).
<i>den</i>	5S	Wöllenstein, Jürgen, et al., "An insulated gate thin-film transistor using SnO <sub>2</sub> as semiconducting channel, a possible new gas sensor device" The 11th European Conference on Solid State Transducers, pp. 471-474 (September 21-24, 1997).

EXAMINER

DATE CONSIDERED

7/12/09

## PATENT APPLICATION

Sheet 6 of 6

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
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	Randy L. Hoffman, et al.		
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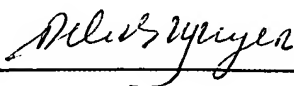
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	6M				
	6N				
	6O				
	6P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

dest	6Q	Yoshida, A., "Three Terminal Field Effect Superconducting Device Using SrTiO <sub>3</sub> Channel" IEEE Transactions on Applied Superconductivity, Vol. 5, No. 2, pp. 2892-2895 (June, 1995).
dest	6R	Solid-State Electronics, Vol. 7, Pergamon Press, Notes pp. 701-702 (1964).
dest	6S	Anonymous, "Transparent and/or memory thin film transistors in LCD's and PLEAD_" Research Disclosure, p. 890 (July 1998).

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Sheet	1	of	2
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Application Number	10/799839
Filing Date	Mar 12, 2004
First Named Inventor	Randy Hoffman
Art Unit	
Examiner Name	
Attorney Docket Number	200316546-1

## U. S. PATENT DOCUMENTS

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		Application Number	10/799839
		Filing Date	Mar 12, 2004
		First Named Inventor	Randy Hoffman
		Art Unit	
		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	200316546-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ER		WHIPPLE, ER, "Electronic properties of semiconducting Cd <sub>2</sub> GeO <sub>4</sub> ", Journal of Solid State Chemistry, vol. 34, 1980, pgs 231-239.	
AJ		NOZIK, AJ, "Optical and electrical properties of Cd <sub>2</sub> SnO <sub>4</sub> :A defect semiconductor", Physical Review B, vol. 6, no.2, July 15, 1972, pgs 453-459.	

Examiner Signature	<i>Debra S. Meyer</i>	Date Considered	10/27/06
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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### Complete if Known

Application Number	10/799839
Filing Date	Mar 12, 2004
First Named Inventor	Randy Hoffman
Art Unit	
Examiner Name	Unassigned
Attorney Docket Number	200316546-1

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		Number-Kind Code <sup>2</sup> (if known)			
RLZ		US- 2004/0023432	02-05-2004	Haga	
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RLZ		JP 2003-086808	03-20-2003	Kawasaki		

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		Filing Date	Mar 12, 2004
		First Named Inventor	Randy Hoffman
		Art Unit	
		Examiner Name	Unassigned
Sheet 2	of 2	Attorney Docket Number	200316546-1

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per		Proceedings of the IEEE, Proceedings Letters, November 1968, pgs 2094-2095.	
per		Extended abstracts of the 2000 International Conference on Solid State Devices and Materials; Aug 29-31, 2000, Sendai Intl Center, pgs 128-129.	
per		OHTOMO, "Novel Semiconductor Technologies of ZnO Films towards...", IEICE Trans. Electron., Vol E83-C, No 10, Oct 2000, pgs 1614-1617.	

Examiner Signature	<i>Delia Skye</i>	Date Considered	10/27/06
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

### Complete if Known

Application Number	10/799839
Filing Date	Mar 12, 2004
First Named Inventor	Randy Hoffman
Art Unit	2814
Examiner Name	Dilinh Nguyen
Attorney Docket Number	200316546-1

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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DLN		US- 2004/0127038	07-01-2004	Carcia et al	
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